Fusion3

F200 3D Printer

MAINTENANCE:
LEADSCREW LUBRICATION

Revision 5/9/2025

LUBRICATING THE LEADSCREWS

How to lubricate the Z axis leadscrews.

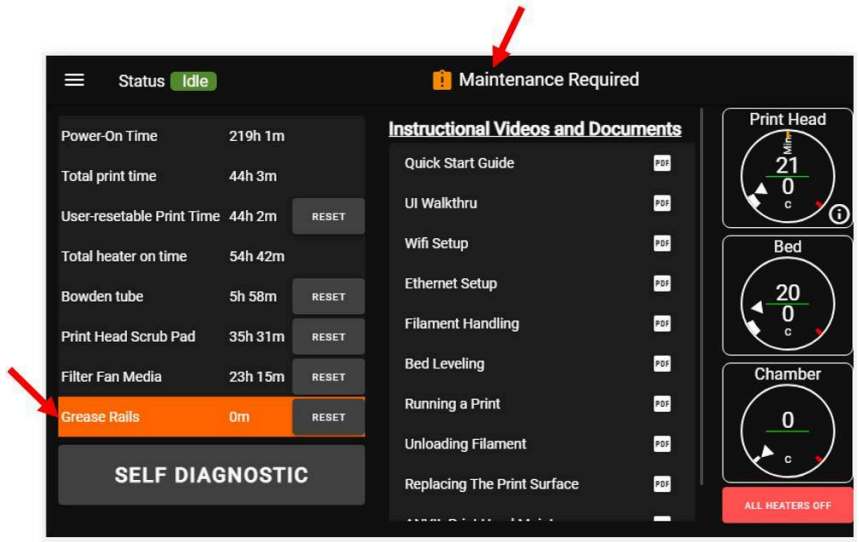
LUBRICANT TO USE

F200 leadscrews can be lubricated with standard white lithium grease that can be found in many hardware or auto parts stores. The image here shows the brand and container we use in-house.

DO NOT USE spray lubricants or "spray grease". These will damage your printer and this damage won't be covered by your warranty.

WHEN TO LUBRICATE

The on-board maintenance counters & reminders will prompt you when it is time to lubricate the leadscrews.



HOW TO LUBRICATE

1. Make sure the printer is idle and cold. The printer should be powered on.
2. Go to the *Control* screen and home the Z axis. Jog it to the top of its travel.
3. Use a dry paper towel to remove most of the grease from the 3 leadscrews. They don't need to be completely clean but you want to remove the bulk of the grease.

4. Using your grease tube, apply a thin (1x1mm to 2x2mm) single bead of grease to each leadscrew. Start at the top just under the brass nut and run the bead down to the bottom of the screw, where the existing grease stops.
    a. When in doubt, err on the side of less grease instead of more.

5. Using the *Control* screen, jog the Z axis to the bottom to distribute the grease around the leadscrews.
6. Apply a small dab at the top of each screw.
7. Run the z axis up and down several times to distribute the grease. It should look like this when you're done.
8. In the user interface, navigate to the *Maintenance* page and locate the "Grease Rails" timer. Press the "Reset" button to reset the timer.